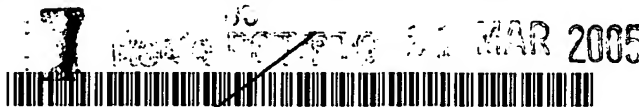


528463

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/027088 A2

(51) International Patent Classification⁷: **C12Q 1/68**,
C12N 9/10

(21) International Application Number:
PCT/CA2003/001269

(22) International Filing Date: 20 August 2003 (20.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/412,002 20 September 2002 (20.09.2002) US

(71) Applicant (for all designated States except US): UNI-
VERSITÉ LAVAL [CA/CA]; Cité universitaire, Québec,
Québec G1K 7P4 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GUILLEMETTE**,
Chantal [CA/CA]; 7605 La Fraîcheur, Québec, Québec
G2K 2C7 (CA).

(74) Agent: **OGILVY RENAULT**; Suite 1600, 1981 McGill
College Avenue, Montréal, Québec H3A 2Y3 (CA).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHOD FOR DETERMINING PREDISPOSITION TO A PHYSIOLOGICAL REACTION IN A PATIENT.

(57) Abstract: The present invention relates to a method for determining predisposition to a physiological reaction in a patient. Particularly, the present invention relates to a method for determining a predisposition to toxicity induced by a camptothecin analog or to an immunosuppressive mycophenolic acid-based therapy. This method comprises the characterization of nucleic acid sequences from the patient. The nucleic acid sequence encodes for an amino acid sequence or regulates the expression of UGT1A1, UGT1A7, UGT1A9 or their polymorphic variants. The method also comprises the analysis of haplotypic variation within these genes.



WO 2004/027088 A2